

# Shivam Sharma

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LinkedIn   GitHub   Portfolio

## Summary

DevOps Engineer with hands-on experience in AWS, Docker, Kubernetes, Jenkins, and Terraform, specializing in cloud infrastructure automation, CI/CD pipelines, and system security. Proven ability to deploy scalable containerized applications and implement secure cloud solutions using Python and Linux.

## Skills

- **Cloud Platforms:** AWS (EC2, IAM, S3), Cloud Security
- **DevOps Tools:** Jenkins, Docker, Kubernetes, Terraform, Nginx
- **Programming & Scripting:** Python, Shell Scripting, SQL
- **Version Control:** Git, GitHub
- **Operating Systems & Web:** Linux (Ubuntu, Debian), HTML, CSS

## Experience

<b>Skillquest Learnings</b>	<b>DevOps Engineer</b>	<b>May 2025 – Present</b>
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- Architected and managed secure WireGuard VPN infrastructure, reducing unauthorized access by 40%.
- Deployed Dockerized frontend and Flask backend with Nginx reverse proxy for high availability.
- Built Jenkins CI/CD pipelines for automated build, test, and deployment workflows.
- Implemented Fail2Ban, firewall automation, and access control policies to mitigate attacks.
- Automated monitoring, log analysis, and system health checks using Bash and Python.

## Projects

<b>InfraGuard – Cloud Scanner</b>	<b>Jun 2025 – Present</b>
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[ Go Live ]

- Developed a full-stack AWS cloud vulnerability scanning platform using Python (Flask).
- Automated EC2, IAM, and S3 security assessments using AWS SDK (boto3).
- Implemented role-based access, session handling, and async scan execution.
- Generated actionable security reports through dynamic dashboards.

<b>CI/CD Pipeline using Jenkins</b>	<b>Mar 2025 – May 2025</b>
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[ Documentation ]

- Designed an end-to-end CI/CD pipeline for automated deployments on AWS EC2.
- Integrated GitHub webhooks, Dockerized Jenkins, and Nginx reverse proxy.
- Implemented email alerts and job backup automation for reliability.

## Education

<b>Guru Gobind Singh Indraprastha University Delhi</b>	<b>Sep 2022 – Sep 2026</b>
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B.Tech in Computer Science & Engineering	GPA: 8.0
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## Additional Technical Exposure

- Basic exposure to Kubernetes deployments, container orchestration, and service networking.
- Experience with Linux server hardening, SSH security, and role-based access controls.
- Familiar with cloud cost optimization basics, IAM least-privilege policies, and logging best practices.

## Certifications & Achievements

- Simplilearn – Search Engine Optimization
- Internshala Trainings – Web Development
- 2nd Runner-Up – DSA Hackathon